

This checklist must be used with **PS-STB-S804-015-EN** procedure for STA Compact® and STA Compact® CT. It must be used with **PS-STM-S804-004-EN** procedure for STA Compact Max®.

Preventive maintenance:	Yearly preventive maintenance:	Serial Number:
Field Service Engineer Name:	Date:	Signature:
Customer Name:	Date:	Signature:

Original: Customer - Copy: Field Service Engineer

	Verification	Once a year **	Each PM*		Verification	Once a year **	Each PM*
4.1	General history of the system		<input type="checkbox"/>	4.9	Verification of the valcor pump flow		<input type="checkbox"/>
4.2	Consultation then purge of the error history		<input type="checkbox"/>		Needle 1: <input type="text"/> ml (from 3 ml to 4 ml)		
4.3	Updates		<input type="checkbox"/>		Needle 2: <input type="text"/> ml (from 3 ml to 4 ml)		
4.4	Cleaning: Measurement plate Drawers Cuvette loader Radiator Movements (X, Y, Z and P axes)		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Needle 3: <input type="text"/> ml (from 3 ml to 4 ml)		
4.5	Decontamination of the upstream fluidic circuit		<input type="checkbox"/>		Verification of the needles jet		<input type="checkbox"/>
4.6	Replacement of the syringe head tubing	<input type="checkbox"/>		4.11	Verification of the well vacuum «d» according to the altitude:		<input type="checkbox"/>
4.8	Replacement of the Teflon tip and syringe o-rings		<input type="checkbox"/>		From 0 to 500m, $d \geq 700\text{mbar}$		
	Replacement of the 3 needle EV tubings	<input type="checkbox"/>			From 501 to 1500m, $d \geq 600\text{mbar}$		
	Replacement of the suction tip	<input type="checkbox"/>			From 1501 to 2000m, $d \geq 550\text{mbar}$		
	Replacement of the photometry box filter	<input type="checkbox"/>			Well 1: <input type="text"/> mbar		
	Paper filter		<input type="checkbox"/>		Well 2: <input type="text"/> mbar		
	Replacement of the air filter on PC rack	<input type="checkbox"/>		4.13	Magnetic stirring of reagents		<input type="checkbox"/>
	Replacement of the piercing EV tubing		<input type="checkbox"/>	4.14	Fans		<input type="checkbox"/>
	Prehension liquid filter		<input type="checkbox"/>	4.15	Safety and emergency stop devices checks:		
	STA® CleanerSolution reservoir liquid filter		<input type="checkbox"/>		Front panel reed switch		<input type="checkbox"/>

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4.16	<p>Noted Temperatures <input type="checkbox"/></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Measurement Point</th> <th>Acceptance criteria</th> <th>Temperature after adjustment</th> </tr> </thead> <tbody> <tr> <td>Measurement Plate</td> <td>Cuvette in incubation position 1 and 16 and measurement position 4</td> <td>37.0°C ± 0.5 °C</td> <td><div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div><div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div><div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div></td> </tr> <tr> <td>Pipetting Head</td> <td>Measurement hole of head</td> <td>42.0°C ± 0.5 °C</td> <td><div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div></td> </tr> <tr> <td>Products drawer</td> <td>Measurement hole under the cover of the drawer</td> <td>16.0°C + 1 °C</td> <td><div style="border: 1px solid black; 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4.17	Chronometric calibration		<input type="checkbox"/>																																																																																										
4.18	<p>Photometric calibration</p> <p>Not applicable for STA Compact® CT</p> <p>Colorimetry voltage value <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div></p> <p>Immunology voltage value <div style="border: 1px solid black; width: 40px; height: 20px; margin: 2px;"></div></p>		<input type="checkbox"/>																																																																																										
4.19	Defragmentation of the hard disk		<input type="checkbox"/>																																																																																										
4.20	<p>Mapping: <input type="checkbox"/></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Well Position</th> <th>Position No F4 Drawer 1</th> <th>Position No 11 Drawer 2</th> <th>Incubation Position No 16</th> </tr> </thead> <tbody> <tr> <td rowspan="3">ARM 1</td> <td>Needle 1</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Needle 2</td> <td><input type="checkbox"/></td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Needle 3</td> <td><input type="checkbox"/></td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>ARM 2</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		Well Position	Position No F4 Drawer 1	Position No 11 Drawer 2	Incubation Position No 16	ARM 1	Needle 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Needle 2	<input type="checkbox"/>	N/A	N/A	Needle 3	<input type="checkbox"/>	N/A	N/A	ARM 2	N/A	N/A	N/A	<input type="checkbox"/>																																																																					
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4.21	<p>Endurance</p> <p>Number of prehension cycles: 90 minimum</p>		<input type="checkbox"/>	<p>Intervention sheet</p> <p>Describe the problem and the solution in the intervention sheet</p>	<input type="checkbox"/>																																																																																								

* When the preventive maintenance is done, tick off the "PM" box.

** When the yearly maintenance is done, tick off the "Once a year" box.



PS-STB-S803-016-en-x (or PS-STM-S803-03-en-x) biological test results have to be attached to the intervention sheet.